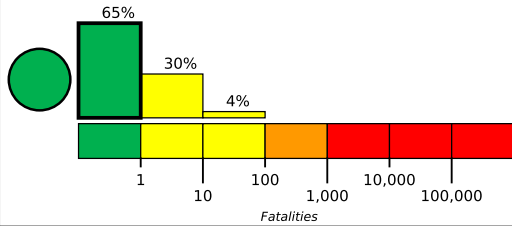# M 5.6, 247 km NW of Tianpeng, China

Origin Time: 2022-06-09 16:03:26 UTC (Fri 00:03:26 local)
Location: 32.3152° N 101.8363° E Depth: 10.1 km

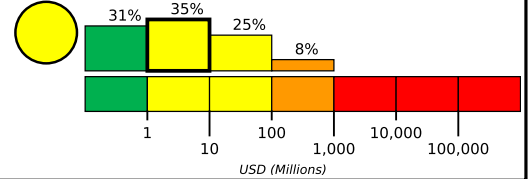Created: 3 weeks, 6 days after earthquake

Estimated Fatalities

65%
30%
4%

1 10 100 1,000 10,000 100,000

Fatalities

Yellow alert for economic losses. Some damage is possible and the impact should be relatively localized. Estimated economic losses are less than 1% of GDP of China. Past events with this alert level have required a local or regional level response.

Green alert for shaking-related fatalities. There is a low likelihood of casualties.
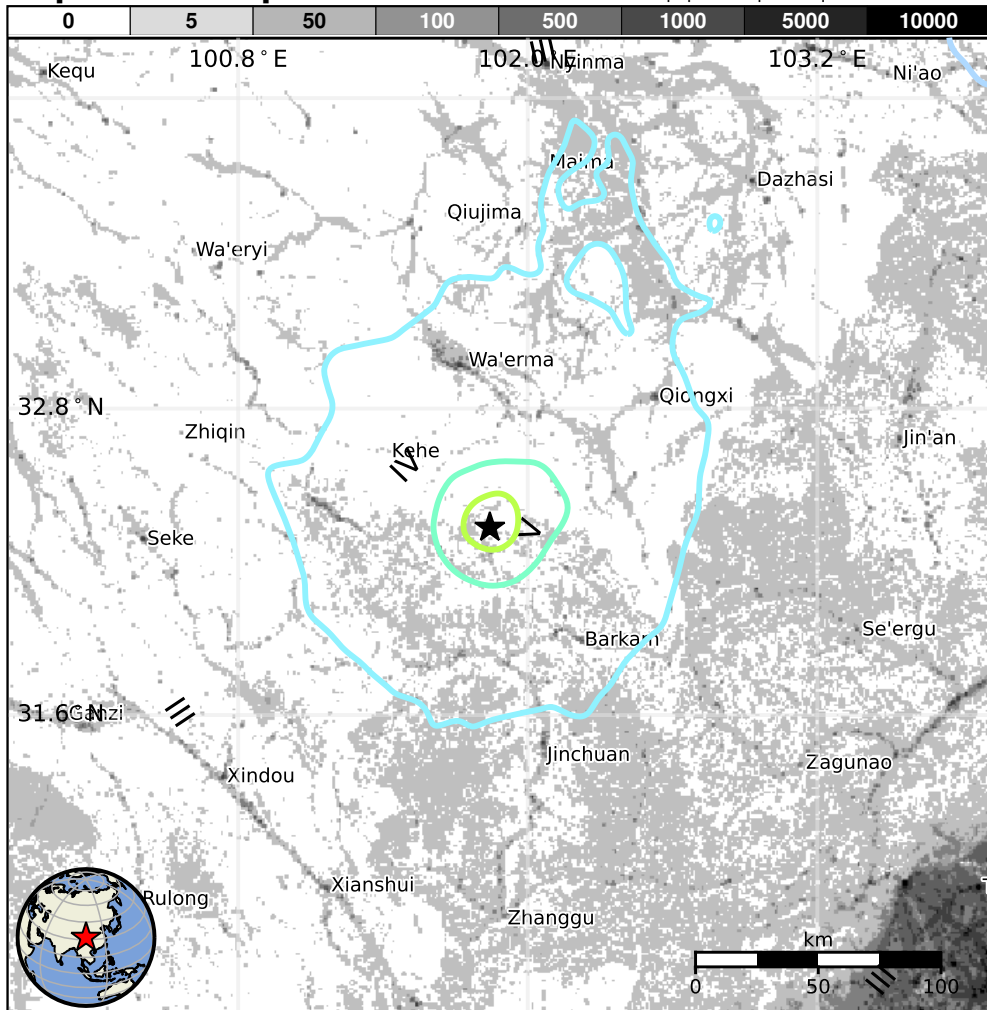
Estimated Economic Losses

31% 35% 25% 8%

1 10 100 1,000 10,000 100,000

USD (Millions)

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		–*	6,108k*	238k	7k	3k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan

| 0 | 5 | 50 | 100 | 500 | 1000 | 5000 | 10000 |

Structures

Overall, the population in this region resides in structures that are vulnerable to earthquake shaking, though resistant structures exist. The predominant vulnerable building types are adobe block and unreinforced brick with mud construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
2003-11-13	326	5.1	VI(45k)	1
1986-08-06	352	5.3	VI(1k)	2
1973-02-06	164	7.7	IX(31k)	2k

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Rong'an	<1k
IV	**Qiongxi**	**<1k**
IV	Kuasha	<1k
IV	Aba	<1k
IV	Hezhi	<1k
IV	**Wa'erma**	**<1k**
IV	**Kehe**	**<1k**
IV	Maikun	<1k
IV	Dege	<1k
IV	Longcang	<1k
III	**Tianpeng**	**61k**

bold cities appear on map. (k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
https://earthquake.usgs.gov/earthquakes/eventpage/us7000hg8b#pager

Event ID: us7000hg8b